

File 5: Biosis Previews(R) 1969-2001/Nov W4  
(c) 2001 BIOSIS

File 6: NTIS 1964-2001/Dec W3  
(c) 2001 NTIS, Intl Cpyrght All Rights Res

File 10: AGRICOLA 70-2001/Nov  
(c) format only 2001 The Dialog Corporation

File 28: Oceanic Abst. 1964-2001/Nov  
(c) 2001 Cambridge Scientific Abstracts

File 34: SciSearch(R) Cited Ref Sci 1990-2001/Dec W1  
(c) 2001 Inst for Sci Info

File 44: Aquatic Sci&Fish Abs 1978-2001/Nov  
(c) 2001 FAO (for ASFA Adv Brd)

File 50: CAB Abstracts 1972-2001/Oct  
(c) 2001 CAB International

File 65: Inside Conferences 1993-2001/Dec W1  
(c) 2001 BLDSC all rts. reserv.

File 76: Life Sciences Collection 1982-2001/Nov  
(c) 2001 Cambridge Sci Abs

File 94: JICST-EPlus 1985-2001/Oct W4  
(c) 2001 Japan Science and Tech Corp(JST)

File 98: General Sci Abs/Full-Text 1984-2001/Oct  
(c) 2001 The HW Wilson Co.

File 99: Wilson Appl. Sci & Tech Abs 1983-2001/Sep  
(c) 2001 The HW Wilson Co.

File 117: Water Resour. Abs. 1967-2001/Oct  
(c) 2001 Cambridge Scientific Abs.

File 143: Biol. & Agric. Index 1983-2001/Sep  
(c) 2001 The HW Wilson Co

File 144: Pascal 1973-2001/Dec W1  
(c) 2001 INIST/CNRS

File 203: AGRIS 1974-2001/Sep  
Dist by NAL, Intl Copr. All rights reserved

File 266: FEDRIP 2001/Oct  
Comp & dist by NTIS, Intl Copyright All Rights Res

File 306: Pesticide Fact File 1998/Jun  
(c) 1998 BCPC

File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info

Set	Items	Description
S1	111	ROOTONE
S2	61302	(MIX??? OR COMBIN? OR ADD??? OR JOIN? OR INCORPORAT?) (5N) (- SOIL? ? OR DIRT)
S3	709	DIP??? (5N) (STEM? ? OR CUTTING? OR CLIPPING?)
S4	0	S1 AND S2
S5	104	S1 NOT S3
S6	1771409	SOIL
S7	7	S1(5N)S6
S8	2	RD (unique items)
S9	18	S1/TI
S10	18	S5 AND S9
S11	16	RD (unique items)
S12	16	S11 NOT S8
S13	220880	CUTTING?
S14	36	S1 NOT S13
S15	7	S14 AND S6
S16	2	RD (unique items)
S17	0	S16 NOT (S8 OR S11)
S18	7	S14 AND S9
S19	7	RD (unique items)
S20	1	S19 NOT (S8 OR S11)
S21	51987	(APPLY? OR APPLICATION) (5N) (SOIL? ? OR DIRT)
S22	7	S1 AND S21

S23	2	RD (unique items)
S24	1	S23 NOT (S8 OR S11 OR S19)
S25	24	RD S14 (unique items)
S26	15	S25 NOT (S8 OR S11 OR S19 OR S23)

8/3,AB/1 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

11404834 BIOSIS NO.: 199800186166

**Rapid in vitro plant regeneration of cotton (*Gossypium hirsutum* L.).**

AUTHOR: Hemphill J K; Maier C G A; Chapman K D(a)

AUTHOR ADDRESS: (a)Cottonseed Dev. Group, Dep. Biol. Sci., Univ. North  
Tex., Denton, TX 76203-5220\*\*USA

JOURNAL: Plant Cell Reports 17 (4):p273-278 Feb., 1998

ISSN: 0721-7714

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: A rapid, clonal propagation procedure has been developed to regenerate mature cotton (*Gossypium hirsutum* L.) plants from pre-existing meristems that were excised from in-vitro-grown tissues. This plant regeneration procedure was applicable to diverse cotton germplasms and required specific concentrations of 6-benzylaminopurine (BA) depending on the origin of the meristems. All shoots regenerated directly without a callus phase. Screening BA concentrations (0.0-10.0  $\mu$ M) demonstrated that shoot meristems (apices), secondary leaf nodes, primary leaf nodes, and cotyledonary nodes derived from in-vitro grown 28-day-old seedlings (Paymaster HS26) varied in their ability to form elongated shoots depending on the level of BA. Indicative of a germplasm-independent procedure, a BA concentration screen (0.0, 0.3, 1.0  $\mu$ M) demonstrated that explants with pre-existing meristems, excised from diverse germplasm lines, were also able to form elongated shoots at 0.3  $\mu$ M BA. In most cases, elongated shoots derived from this procedure were rooted by a two-step process: an in-vitro maturation step (Murashige and Skoog medium-activated charcoal) followed by planting into soil after basal application of Rootone. This BA plant regeneration procedure was rapid, reproducible, and highly efficient for Stoneville 7A, Paymaster HS26, and other high-fiber-yielding germplasm lines. Regenerated plants were phenotypically normal and all of the mature plants regenerated to date have initiated flowers and set viable R1 seeds.

1998

8/3,AB/2 (Item 2 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

06059943 BIOSIS NO.: 000085023092

**TRANSFORMATION OF BRASSICA-NAPUS WITH AGROBACTERIUM-TUMEFACIENS BASED VECTORS**

AUTHOR: FRY J; BARNASON A; HORSCH R B

AUTHOR ADDRESS: BIOL. SCI., MONSANTO COMPANY, 700 CHESTERFIELD VILLAGE  
PARKWAY, ST. LOUIS, MO. 63198, USA.

JOURNAL: PLANT CELL REP 6 (5). 1987. 321-325. 1987

FULL JOURNAL NAME: Plant Cell Reports

CODEN: PCRPD

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

ABSTRACT: A reproducible system to produce transgenic *Brassica napus* plants has been developed using stem segments. Stem segments from 6-7 week old plants were inoculated with an *Agrobacterium tumefaciens* strain containing a disarmed tumor-inducing plasmid pTiT37-SE carrying a chimeric bacterial gene encoding kanamycin resistance (pMON200). Stem explants were cocultured for 2 days before transfer to kanamycin

selection medium. Shoots regenerated directly from the explant in 3-6 weeks and were excised, dipped in **Rootone** , and rooted in **soil** . Transformation was confirmed by opine production, kanamycin resistance, and DNA blot hybridization in the primary transformants. Final proof of transformation was demonstrated by the co-transfer of opine production and kanamycin resistance to progeny in a Mendelian fashion. Over 200 transgenic Brassica napus plants have been produced using this system.

1987

12/3,AB/1 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

06751494 BIOSIS NO.: 000088060925

**THE EFFECT OF ROOTONE F ON STEM CUTTING AND STUMP OF INDUSTRIAL FOREST TREES**

AUTHOR: SIAGIAN Y T; MASANO; HARAHAHAP R M S; ALRASYID H  
AUTHOR ADDRESS: PUSAT PENELITIAN DAN PENGEMBANGAN HUTAN, JALAN GUNUNG BATU  
5, PO BOX 66, BOGOR, INDONESIA.  
JOURNAL: BUL PENELITIAN HUTAN 0 (505). 1989. 41-52. 1989  
FULL JOURNAL NAME: Buletin Penelitian Hutan  
CODEN: BPHUE  
RECORD TYPE: Abstract  
LANGUAGE: INDONESIAN

ABSTRACT: **Rootone** F (200 mg) had significantly affected the root formation and survival of shoot cutting of *Shorea leprosula*. However, it had not significantly affected the stump survival of *S. leprosula*, *S. selanica*, and *D. retusus*. There was tendency of increasing total roots and total dry weight of leaves, shoots and roots of stump of *S. leprosula* if concentration of **rootone** F increased from 50 to 200 mg. The optimal dosis of **Rootone** F should be studied for the other species of Dipterocarpaceae.

1989

12/3,AB/2 (Item 2 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

06694272 BIOSIS NO.: 000088003689

**EFFECT OF APPLICATION OF ROOTONE F AND LENGTH OF STORAGE ON SURVIVAL RATE OF POTTED SHOREA-SELANICA AND DIOSPYROS-CELEBICA**

AUTHOR: SIAGIAN T; MASANO; HARAHAHAP R M S; ALRASJID H; SOEMARNA K  
AUTHOR ADDRESS: FOREST RES. DEVELOPMENT CENT., JALAN GUNUNG BATU 5, P.O.  
BOX 66, BOGOR, INDONESIA.  
JOURNAL: BUL PENELITIAN HUTAN 0 (508). 1989. 27-36. 1989  
FULL JOURNAL NAME: Buletin Penelitian Hutan  
CODEN: BPHUE  
RECORD TYPE: Abstract  
LANGUAGE: INDONESIAN

ABSTRACT: The effects of **Rootone** F and storage period on the survival rate of potted *Shorea selanica* and *Diospyros celebica* wildlings were studied in Darmaga, Bogor. A 2 .times. 7 .times. 3 factorial experiment with 3 replications was conducted in which were involved two forms of **Rootone** F applied (aqueous solution and paste), 7 levels of **Rootone** F concentrations (ranging from 0 to 300 ppm) and 3 levels of length of storage after lifting. **Rootone** F was applied basically as a quick dip (5 seconds) up to the root collar. The hormone penetrated through a small incision in the root and the wildlings were there after planted in soil filled plastic pots. The results of the experiment indicated that none of the treatments affected the survival rate of *S. selanica* significantly. Only the storage period had a significant effect on the survival rate of *D. celebica* wildlings. The best results were obtained when the wildlings were potted on the same day either directly after lifting or after transportation followed by a very short storage. **Rootone** F would probably be more effective when applied to cuttings and stumps and to that end further research activities are required.

1989

12/3,AB/3 (Item 3 from file: 5)  
DIALOG(R) File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

06682959 BIOSIS NO.: 000087125140

**EFFECT OF ROOTONE F ON GROWTH AND DEVELOPMENT OF PERONEMA-CANESCENS STEM CUTTINGS**

AUTHOR: MASANO Y T; SIAGIAN Y T  
JOURNAL: BUL PENELITIAN HUTAN 0 (509). 1989. 27-36. 1989  
FULL JOURNAL NAME: Buletin Penelitian Hutan  
CODEN: BPHUE  
RECORD TYPE: Abstract  
LANGUAGE: ENGLISH

ABSTRACT: **Rootone F** in dosages of 0, 50, 100 and 150 mg per cutting was applied on a paste to cuttings of *Peronema canescens* of 20 cm length spread over 3 size classes diameters (.ltoreq. 1.0; 1.1-1.5 and 1.6-2.0 cm). The cuttings were inserted after treatment in pots filled with 1 kg of top soil as rooting medium. The experiment was started in August 1987 and the planting stock was harvested in December 1987 for determination of the percentage of cuttings which formed roots, the fresh and dry weight of roots. It turned out that all **Rootone F** treatments did not stimulate rooting better nor increased the dry and fresh weight of roots as compared with controls. The diameter class however significantly influenced the percentage of rooting of the stem cuttings. The results suggested the use of cuttings of diameter class 1.6 cm-2.0 cm.

1989

12/3,AB/4 (Item 4 from file: 5)  
DIALOG(R) File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

06169590 BIOSIS NO.: 000086003772

**THE EFFECTS OF ROOTONE F HORMONE ON THE GROWTH OF MORUS-SHIMA PLANTS FROM CUTTINGS**

AUTHOR: SUDRADJAT  
AUTHOR ADDRESS: PUSAT PENELITIAN DAN PENGEMBANGAN HUTAN, JALAN GUNUNG BATU 5, PO BOX 66, BOGOR, INDONESIA.  
JOURNAL: BUL PENELITIAN HUTAN 0 (491). 1987. 26-33. 1987  
FULL JOURNAL NAME: Buletin Penelitian Hutan  
CODEN: BPHUE  
RECORD TYPE: Abstract  
LANGUAGE: INDONESIAN

ABSTRACT: The objective of this experiment is to understand the effect of various concentrations of applied **Rootone F** hormone on the growth of two months old *Morus shima* plants raised from cuttings. The experiment was conducted in the nursery owned by the Sericulture Division of the Forest Research and Development Centre at Kreteg Bogor, lasting from December 1985 until January 1986. A completely randomized block design with five treatments in three replications was used in this experiment. Concentration of 0, 50, 75, 100 and 125 mg of **Rootone F** hormone were applied to the cuttings. Plants from these cuttings were grown in plastic bogs filled with soil. The results of this study that maximum number of roots, average root length and total root weight per plant occurred at application of 75 and 100 mg of **Rootone F** hormone.

1987

12/3,AB/5 (Item 1 from file: 10)  
DIALOG(R)File 10:AGRICOLA  
(c) format only 2001 The Dialog Corporation. All rts. reserv.

3533728 10755651 Holding Library: AGL

**Study on the effect of atonik rootone f and bayfolan toward rubber seedling in plastic bags**

**Studi tentang pengaruh pemberian atonik rootone f dan bayfolan terhadap pertumbuhan bibit karet di kantong plastik / Achmadiyah Ta**

Ta, Achmadiyah.

[Palembang : s.n., 1985?]

vi, 24 leaves ; 29 cm.

DNAL CALL NO: SB128.T32 1985

Language: Indonesian

12/3,AB/6 (Item 2 from file: 10)  
DIALOG(R)File 10:AGRICOLA  
(c) format only 2001 The Dialog Corporation. All rts. reserv.

2279295 84024921 Holding Library: AGL

**Effects of time of taking the cuttings, rootone F and storage on rooting of Marianna 2624 plum root-stock cuttings (Prunus cerasifera X Prunus mansoniana).**

Mosul : , College of Agriculture and Forestry, Mosul University.

Mesopotamia journal of agriculture. v. 17 (1) , 1982. p. 42-55.

NAL: S19.M4

Language: Arapahoe ; English

12/3,AB/7 (Item 1 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
(c) 2001 CAB International. All rts. reserv.

02379316 CAB Accession Number: 910649337

**Effect of Rootone F on growth and development of Peronema canescens stem cuttings.**

Original Title: Pengaruh dosis Rootone F terhadap pertumbuhan stek batang sungkai (Peronema canescens Jack).

Masano; Siagian, Y. T.

Buletin Penelitian Hutan (No. 509): p.27-36

Publication Year: 1989

ISSN: 0215-028X

Publisher: Pusat Penelitian dan Pengembangan Hutan -- Bogor, Indonesia

Language: Indonesian Summary Language: english

Document Type: Journal article

**Rootone F** (IBA + NAA + the fungicide thiram) in dosages of 0, 50, 100 and 150 mg per cutting was applied as a paste to *P. canescens* cuttings 20 cm long and in 3 diameter classes (less than or equal to 1.0, 1.1-1.5 and 1.6-2.0 cm). After treatment the cuttings were planted in pots in 1 kg top soil. Percentage survival and rooting, and fresh and dry weight of roots, were determined after 4 months. **Rootone F** treatment had no significant effect on cutting survival and root growth, while growth and survival of the largest diameter cuttings was significantly better than that of the 2 smaller size classes. (With English tables.). 9 ref.

12/3,AB/8 (Item 2 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
(c) 2001 CAB International. All rts. reserv.

02318094 CAB Accession Number: 900645600

**The effect of Rootone F on stem cuttings and stumps of commercial forest trees.**

Original Title: Pengaruh Rootone F terhadap persen jadi stek dan bibit tunggul jenis pohon industri.

Siagian, Y. T.; Masano; Harahap, R. M. S.; Alrasyid, H.

Buletin Penelitian Hutan (No. 505): p.41-52

Publication Year: 1989

ISSN: 0215-028X

Publisher: -- Bogor, Indonesia

Language: Indonesian Summary Language: english

Document Type: Journal article

Application of 200 mg of Rootone F (IBA + NAA + the fungicide thiram) significantly increased survival and root formation in shoot cuttings of Shorea leprosula. The effect of Rootone F at 200 mg was also tested on the survival percentage of 3-month-old stumps of S. leprosula, S. selanica and D. (Dipterocarpus) retusus, where it was found to have no significant effect. However, measurements of the growth of stumps of S. leprosula treated with 50-200 mg of Rootone F, showed that the 200 mg dosage increased the total number of roots and leaves (but not shoots), and the total dry weight of shoots, roots and leaves. (With English tables and figures.). 13 ref.

12/3,AB/9 (Item 1 from file: 203)

DIALOG(R) File 203:AGRIS

Dist by NAL, Intl Copr. All rights reserved. All rts. reserv.

02317193 AGRIS No: 1999-041613

**The> Effect of Rootone F to survival percentage of Shorea balangeran Korth in Wanariset nursery, Samboja East Kalimantan (Pengaruh Rootone F terhadap persen hidup stump Shorea balangeran Korth di persemaian Wanariset Samboja, Kalimantan Timur)**

Omon, R.M. (Balai Penelitian Kehutanan, Samarinda (Indonesia))

Journal: Buletin Penelitian Kehutanan, 1997, v. 11(1) p. 34-39

Language: Indonesian Summary Language: English

The effect of Rootone F on survival percentage of S. balangeran stump was conducted in nursery of Wanariset Samboja, Forestry Research Institute Samarinda. The experiment was arranged in a randomized design with three replications. Rootone F was applied in 5 mg/stump, 10 mg/stump, 15 mg/stump and without Rootone F as the control treatment. The results showed that application of 15 mg/stump had the best effect upon survival, height growth and number of shoots after four months observation. Therefore to obtain seedling of S. balangeran in large scale is recommended to use by stump with collar diameter 0.5 cm and length of stump and root were used 10 and 15 cm respectively and 15 mg of Rootone F.

12/3,AB/10 (Item 2 from file: 203)

DIALOG(R) File 203:AGRIS

Dist by NAL, Intl Copr. All rights reserved. All rts. reserv.

01980381 AGRIS No: 96-051395

**Evaluation of three levels of Rootone, two ways of rooting and two types of cuttings for mulberries (Rubus glaucus Benth) in Penaherrera, Imbabura] (Evaluacion de tres niveles de Rootone, dos medios de enraizamiento y dos tipos de estacas de mora Rubus glaucus Benth en Penaherrera, Imbabura)**

Romero M, Jose; Lema V, Jorge

Ecuador Univ. Central, Quito (Ecuador). Fac. de Ciencias Agricolas

Thesis Degree: Tesis (Ing Agr)

Publisher: , Quito (Ecuador), 1986, 156 p.

Language: Spanish



Se evaluó tres niveles de la fitohormona **Rootone** en el enraizamiento de estacas de mora de castilla, en dos medios de enraizamiento: grava y musgo "sphagnum" en estacas de brotes terminales y laterales de mas de doce meses en la zona de Penaherrera, ubicada en Intag, provincia de Imbabura, a una altitud de 1800 msnm, temperatura media de 17 grados C, humedad relativa de 92 por ciento y precipitación media anual de 1904 mm. Se estudio los niveles de **Rootone**, R0 testigo (sin tratamiento), R1 0,6 g disueltos en 2 cc de alcohol/100 cc de agua, R2 1,2 g disueltos en 4 cc de alcohol/100 cc de agua, R3 1,8 g disueltos en 6 cc de alcohol/100 cc de agua. Como medios de enraizamiento se emplearon M1 grava y M2 musgo "Sphagnum". Como tipos de estacas E1 brotes terminales de mas de doce meses (simples), E2 brotes laterales de mas de doce meses (con talon). Dichos factores conforman 16 tratamientos, la unidad básica de observación fue el conjunto de 10 estacas denominado Unidad Experimental. Se utilizó el diseño de Bloques Completos al Azar factorial 4x2x2, además se utilizó la prueba de Tukey al 5 por ciento, polinomios ortogonales para niveles de **Rootone** y diferencia mínima significativa para medios de enraizamiento y tipos de estaca. Las variables consideradas fueron: número de estacas brotadas, número de brotes por estaca, longitud de los brotes, número de estacas con raíces, longitud de las raíces, número de estacas con callo, número de estacas sin callo, índice de arraigado, y número de estacas muertas. Se recomienda el empleo del musgo sphagnum como medio de enraizamiento, estacas simples de brotes terminales de mas de doce meses por cuanto demuestran características superiores, debiendo tomarse en cuenta que 60 días es tiempo suficiente de permanencia de las estacas en los propagadores, para obtener barbados de mejor calidad.

12/3,AB/11 (Item 3 from file: 203)

DIALOG(R)File 203:AGRI

Dist by NAL, Intl Copr. All rights reserved. All rts. reserv.

01783046 AGRIS No: 94-067152

**The effect of rootone-F hormone on the growth of seedlings stump of Palaquium obavatum Engl. (Pengaruh penggunaan hormon rootone-F terhadap pertumbuhan stump anak Palaquium obavatum Engl.)**

Allo, M.K.; Seran, D.

Journal: Jurnal Penelitian Kehutanan, 1990, v. 4(2) p. 18-22

Language: Indonesian Summary Language: English

An experiment was conducted to observe the effect of **rootone** -F hormone on the growth of seedlings stump of *P. obavatum*. Five levels of this hormone were applied i.e. 0, 25, 50, 75, and 100 mg. Stumps were solved and immersed. A factorial design with eight treatments, each of them in six replications was used in this experiment. The results revealed that the maximum number of buds in each stump, was obtained by immersing in 75 mg of hormone.

12/3,AB/12 (Item 4 from file: 203)

DIALOG(R)File 203:AGRI

Dist by NAL, Intl Copr. All rights reserved. All rts. reserv.

01452750 AGRIS No: 90-094237

**Effect of application rootone F and length of storage on survival rate of plotted Shorea selanica and Diospyros celebica (Pengaruh rootone F dan lama penyimpanan terhadap persen jadianakan liar Shorea selanica dan Diospyros celebica)**

Siagian, T.; Masno; Harahap, R.M.S.; Alrasjid, H.; Soemarna, K.

Journal: Buletin Penelitian Hutan, 1989, (no. 508) p. 27-36

Language: Indonesian Summary Language: English

The effects of **rootone** F and storage period on the survival rate potted *Shorea celanica* and *Diospyros celebica* wildings were studied in Darmaga, Bogor. A 2 X 7 X 3 factorial experiment with 3 replication was

conducted in which were involved two forms of **Rootone F** applied (aqueous solution and paste), 7 levels of **Rootone F** concentrations (ranging from 0 300 ppm) and 3 levels of length of storage after lifting. **Rootone F** was applied basically as a quick dip (5 seconds) up to the root collar. The hormone penetrated through a small incision in the root and the wildlings were there after planted in soil filled plastic pots. The result of the experiment indicated that none of the treatment affected the survival rate of *S. selanica* significantly. Only the storage period had a significant effect on the survival rate of *D. celebica* wildlings. The best results were obtained when the wildlings were potted on the same day either directly after lifting or after transportation followed by a very short storage. **Rootone F** would probably be more effective when applied to cuttings and stumps and to that end further research activities are required.

**12/3,AB/13 (Item 5 from file: 203)**

DIALOG(R)File 203:AGRIS

Dist by NAL, Intl Copr. All rights reserved. All rts. reserv.

01452731 AGRIS No: 90-094214

**Use of short tap-root stump as rubber planting material I. Effect of tap-root length and Rootone F on plant growth (Penggunaan stump akar tunggang pendek sebagai bahan tanam karet I. Pengaruh panjang akar tunggang dan Rootone F terhadap pertumbuhan tanaman.)**

Karyudi; Siagian, N.; Sunarwidi (Balai Penelitian Perkebunan Sungai Putih (Indonesia))

Journal: Bulletin Perkaretan, 1986, v. 4(3) p. 63-67

Language: Indonesian Summary Language: English, Indonesian

Interaction effect of tap-root length and **Rootone F** on the growth of young rubber in polybag was studied. Three levels of tap-root length ranged from 10 to 30 cm were studied. Application rates of **rootone F** were 0.100 and 200 mg/stump. The growth of young rubber in polybag was affected by length of tap-root, but not by **Rootone F**. No interaction effect was found between tap-root length and **Rootone F** on the growth of young rubber. The slowest growth was found at 10 cm tap-root length, but there was no different effect on growth rate between 20 cm and 30 cm tap-root length. It was concluded that stump with tap-root length of 20 cm could be chosen as a good planting material due to low cost.

**12/3,AB/14 (Item 6 from file: 203)**

DIALOG(R)File 203:AGRIS

Dist by NAL, Intl Copr. All rights reserved. All rts. reserv.

01104984 AGRIS No: 85-109475

**Efficiency of commercial rooting hormones POKON, SERADIX, ROOTONE on rooting ability of stem cutting of kiwi fruit variety Bruno (Prasitthiphap khong hormones reng rak thang kan kha kap kan koet rak khong king pak cham kiwi phan Bruno)**

Sangkhom Techawongsathian; Suranant Subhadrabandhu

Conference Title: 21. Annual Conference: Plant Sciences

Conference Location and Year: Bangkok (Thailand), 31 Jan - 3 Feb 1983

**Proceedings of the 21st Annual Conference: Plant Sciences (Rai-ngan kan prachum thang wichakan thi 21 sakha phut)**

Kasetsart Univ., Bangkok (Thailand)

Publisher: , Bangkok (Thailand), 1983, p. 299

Language: Thai

**12/3,AB/15 (Item 7 from file: 203)**

DIALOG(R)File 203:AGRIS

Dist by NAL, Intl Copr. All rights reserved. All rts. reserv.

00902589 AGRIS No: 870187

**Utilization of root dipping compound (Agricol) and hormone ( Rootone F, Transplantone, Phymone) on rubber stump planting] (Penggunaan bahan pelindung akar dan hormon pada penanaman stump karet)**

Lubis, P.; Basari, T.

Conference Title: Lokakarya Karet

Conference Location and Year: Tanjung Morawa, Medan (Indonesia), 24-25 Jun 1980

**[Proceedings of the 1980 Rubber Workshop] (Proceeding Lokakarya Karet 1980)**

Rubber Research Centre Tanjung Morawa (Indonesia)

Publisher: , Medan (Indonesia), 1980, p. 231-243

Language: Indonesian Summary Language: Indonesian

12/3,AB/16 (Item 8 from file: 203)

DIALOG(R)File 203:AGRI

Dist by NAL, Intl Copr. All rights reserved. All rts. reserv.

00871728 AGRIS No: 820689

**Rubber stump planting with root hormones ( rootone F)] (Penanaman stump karet dengan hormon akar)**

Soemomarto, S. (Research Centre Getas, Indonesia)

Journal: Research Centre Getas Risalah Penelitian, 1979, (no. 1-2) p. 1-13

Language: Indonesian Summary Language: Indonesian

20/3,AB/1 (Item 1 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
(c) 2001 CAB International. All rts. reserv.

02318446 CAB Accession Number: 900645961

**Effect of application of Rootone F and length of storage on survival rate of potted Shorea selanica and Diospyros celebica.**

Original Title: Pengaruh Rootone F dan lama penyimpanan terhadap persen jadi anakan liar Shorea selanica dan Diospyros celebica.

Siagian, T.; Masano; Harahap, R. M. S.; Alrasjid, H.; Soemarna, K.

Buletin Penelitian Hutan (No. 508): p.27-36

Publication Year: 1989

ISSN: 0215-028X

Publisher: -- Bogor, Indonesia

Language: Indonesian Summary Language: english

Document Type: Journal article

The study was made with potted wildings at Darmaga, Bogor, in 1987. Rootone F (IBA + NAA + the fungicide thiram) was applied as an aqueous sol. or as a paste at 7 concn. between 0 and 300 p.p.m., after various periods of storage (3 were tested, including just after lifting). The Rootone was applied as a quick dip (5 sec) up to the root collar and penetrated through a small incision in the root. After treatment the wildings were planted in plastic pots. None of the treatments significantly affected the survival of S. selanica wildings, and only the storage period affected D. celebica wildings, which survived better when potted on the same day as lifting or after a very short storage period. (With English tables and figures.). 3 ref.

24/3,AB/1 (Item 1 from file: 50)  
DIALOG(R) File 50:CAB Abstracts  
(c) 2001 CAB International. All rts. reserv.

01530870 CAB Accession Number: 840697682

**Studies on the vegetative propagation by cuttings of the mulberry (*Morus australis* Poir.) cultivar, Tai-Song No. 2 and No. 3 (I).**

Moromizato, S.; Yonemori, S.

Science Bulletin of the College of Agriculture, University of the Ryukyus, Okinawa (No. 29): p.225-230

Publication Year: 1982

ISSN: 0370-4246 --

Language: Japanese Summary Language: english

Document Type: Journal article

Cuttings were made from woody and green branches sprouting in 1981. Leafless woody branches were cut to give lengths of 5, 10 and 15 cm, and leafy woody and green branches were cut to include a node with leaf (giving cuttings of about 5 and 3.5 cm respectively). Cuttings were planted in mist boxes in the greenhouse on Sept. 4th and examined on Nov. 4th. The best rooting was obtained with woody cuttings (44.9-67.9%) with max. rooting occurring from 15 cm cuttings. Rooting was better in Vermiculite than in Kanumado, sea sand or sandy clay loam soils. **Application of rootone** powder or Menedael sol. (diluted 50x) increased rooting. Tai-Song No. 2 cv. rooted better than Tai-Song No. 3 cv. 9 ref.

26/3/1 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

13061054 BIOSIS NO.: 200100268203

**Micropropagation of chokecherry and pincherry cultivars.**

AUTHOR: Pruski Kris W(a); Lewis Tina; Astatkie Tess; Nowak Jerzy  
AUTHOR ADDRESS: (a)Crop Diversification Centre North, 17507-Fort Road,  
Edmonton, AB, T5B 4K3: k.pruski@nsac.ns.ca\*\*Canada  
JOURNAL: Plant Cell Tissue and Organ Culture 63 (2):p93-100 2000  
MEDIUM: print  
ISSN: 0167-6857  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English

26/3/2 (Item 2 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

07269499 BIOSIS NO.: 000090049377

**MICROPROPAGATION OF FOUR CULTIVARS OF SASKATOON BERRY AMELANCHIER-ALNIFOLIA  
NUTT**

AUTHOR: PRUSKI K; NOWAK J; GRAINGER G  
AUTHOR ADDRESS: DEP. PLANT SCIENCE, NOVA SCOTIA AGRIC. COLL., TRURO, NS,  
CANADA B2N 5E3.  
JOURNAL: PLANT CELL TISSUE ORGAN CULT 21 (2). 1990. 103-110. 1990  
FULL JOURNAL NAME: Plant Cell Tissue and Organ Culture  
CODEN: PTCED  
RECORD TYPE: Abstract  
LANGUAGE: ENGLISH

26/3/3 (Item 3 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

06957635 BIOSIS NO.: 000038073674

**A NOTE ON THE SEXUAL AND ASEXUAL PROPAGATION OF THE INDIAN BARBERRY  
BERBERIS-ARISTATA DC**

AUTHOR: PARMAR C; KHAMU V  
AUTHOR ADDRESS: FRUIT RES. STN., KANDAGHAT, HIMACHAL PRADESH, INDIA.  
JOURNAL: INDIAN FOR 115 (7). 1989. 508-509. 1989  
FULL JOURNAL NAME: Indian Forester  
CODEN: IFORA  
RECORD TYPE: Citation  
LANGUAGE: ENGLISH

26/3/4 (Item 4 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

04058598 BIOSIS NO.: 000026051658

**ASEXUAL PROPAGATION OF THE NESS HYBRID OAK  
QUERCUS-VIRGINIANA-X-QUERCUS-LYRATA**

AUTHOR: HOELZEL J R JR  
AUTHOR ADDRESS: DEP. OF HORTICULTURAL SCI., TEX. A AND M UNIV., COLLEGE  
STATION, TEX. 77843.  
JOURNAL: 43RD ANNUAL MEETING OF THE AMERICAN SOCIETY FOR HORTICULTURAL  
SCIENCE (SOUTHERN REGION), ATLANTA, GA., USA, FEB. 6-8, 1983. HORTSCIENCE

18 (2). 1983. 174. 1983  
CODEN: HJHSA  
DOCUMENT TYPE: Meeting  
RECORD TYPE: Citation  
LANGUAGE: ENGLISH

**26/3/5 (Item 5 from file: 5)**  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

02574672 BIOSIS NO.: 000017022730  
**EFFECTS OF LIGHT MEDIA AND HORMONE UPON THE ASEXUAL PROPAGATION OF SELECTED HANGING PLANTS**  
AUTHOR: BAILEY L L; FALAHI A A; BINGHAM R  
JOURNAL: HORTSCIENCE 14 (2). 1979 131 1979  
FULL JOURNAL NAME: Hortscience  
CODEN: HJHSA  
DOCUMENT TYPE: Meeting  
RECORD TYPE: Citation

**26/3/6 (Item 6 from file: 5)**  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2001 BIOSIS. All rts. reserv.

01092984 BIOSIS NO.: 000009073194  
**B-NINE AS A ROOTING PROMOTER FOR AZALEAS AND HOLLIES**  
AUTHOR: BEARCE B C; SCOTT E G  
JOURNAL: PROC W VA ACAD SCI 42. 1970 (RECD 1973) 69-71 1970  
FULL JOURNAL NAME: Proceedings of the West Virginia Academy of Science  
CODEN: PWVAA  
RECORD TYPE: Citation

**26/3/7 (Item 1 from file: 10)**  
DIALOG(R)File 10:AGRICOLA  
(c) format only 2001 The Dialog Corporation. All rts. reserv.

3429988 20448456 Holding Library: AGL  
**Field and greenhouse tests with synthetic growth-regulating substances applied to sugar beet seeds and plants**  
Stout, M. Tolman, B.  
Washington, D.C. : The Society, 1913-[1948]  
Journal of the American Society of Agronomy. Feb 1944. v. 36 (2) p. 141-146.  
ISSN: 0095-9650  
DNAL CALL NO: 4 Am34P  
Language: English

**26/3/8 (Item 1 from file: 50)**  
DIALOG(R)File 50:CAB Abstracts  
(c) 2001 CAB International. All rts. reserv.

03574465 CAB Accession Number: 980610455  
**Micropropagation of juvenile and mature American elms from stem nodal sections.**  
Chanon, A. M.; Kamalay, J. C.; Jourdan, P.  
Department of Horticulture and Crop Science, Ohio State University, Columbus, OH 43210, USA.  
Conference Title: 11th central hardwood forest conference. Proceedings of a meeting held at the University of Missouri, Columbia, MO, March

23-26, 1997.

General Technical Report - North Central Forest Experiment Station, USDA  
Forest Service (No. NC-188): p.242-250

Publication Year: 1997

Editors: Pallardy, S. G., Cecich, R. A., Garrett, H. G.; Johnson, P. S.

Publisher: North Central Forest Experiment Station, USDA Forest Service

-- St Paul, USA

Language: English

Document Type: Conference paper; Journal article

**26/3/9 (Item 2 from file: 50)**

DIALOG(R)File 50:CAB Abstracts

(c) 2001 CAB International. All rts. reserv.

03273491 CAB Accession Number: 960310457

**Pest management in the U.S. greenhouse and nursery industry: III. Plant growth regulation.**

Norcini, J. G.; Hudson, W. G.; Garber, M. P.; Jones, R. K.; Chase, A. R.  
; Bondari, K.

University of Florida Research and Education Center, Route 4, Box 4092,  
Monticello, FL 32344-9304, USA.

HortTechnology vol. 6 (3): p.207-210

Publication Year: 1996 --

Language: English

Document Type: Journal article

**26/3/10 (Item 3 from file: 50)**

DIALOG(R)File 50:CAB Abstracts

(c) 2001 CAB International. All rts. reserv.

02524798 CAB Accession Number: 920312048

**In vitro rooting of male and female asparagus derived from apices and lateral bud explants.**

Matsubara, S.; Masuda, M.; Takahashi, K.

Faculty of Agriculture, Okayama University, Kurashiki, Okayama 710,  
Japan.

Scientific Reports of the Faculty of Agriculture, Okayama University (No. 74): p.1-5

Publication Year: 1989

ISSN: 0474-0254 --

Language: English Summary Language: japanese

Document Type: Journal article

**26/3/11 (Item 4 from file: 50)**

DIALOG(R)File 50:CAB Abstracts

(c) 2001 CAB International. All rts. reserv.

02169437 CAB Accession Number: 890637755

**Preliminary trials of the propagation of Alnus acuminata by layering.**

Original Title: Prueba preliminar de propagacion por acodos en jaul.

Valerio G., J.

Departamento de Ingenieria Forestal, Instituto Tecnologico de Costa Rica, Cartago, Costa Rica.

Tecnologia en Marcha vol. 9 (1): p.57-60

Publication Year: 1987

ISSN: 0379-3982 --

Language: Spanish

Document Type: Journal article



26/3/12 (Item 5 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
(c) 2001 CAB International. All rts. reserv.

01908316 CAB Accession Number: 870705948  
**Effects of growth regulators on the growth and yield of detached and transplanted potato (*Solanum tuberosum* L.) sprouts.**  
Shrestha, G. K.  
Dep. Hort., Inst. Agric. Animal Sci., Rampur, Chitwan, Nepal.  
Potato Research vol. 29 (1): p.173-175  
Publication Year: 1986  
ISSN: 0014-3065 --  
Language: English  
Document Type: Journal article

26/3/13 (Item 6 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
(c) 2001 CAB International. All rts. reserv.

00742042 CAB Accession Number: 780771544  
**Seed germination of true prairie forbs.**  
Voigt, J. W.  
Dep. of Bot., Southern Illinois Univ., Carbondale, IL 62901, USA.  
Journal of Range Management vol. 30 (6): p.439-441  
Publication Year: 1977  
ISSN: 0022-409X --  
Language: English  
Document Type: Journal article

26/3/14 (Item 7 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
(c) 2001 CAB International. All rts. reserv.

00616038 CAB Accession Number: 770642795  
**Propagation of *Quercus incana* by the air-layering.**  
Chandra, J. P.; Mahindru, J. L.  
Dep. For., Himachal Pradesh Univ., Solan, India.  
Indian Forester vol. 103 (8): p.539-541  
Publication Year: 1977  
ISSN: 0019-4816 --  
Language: English Summary Language: hindi; german; french  
Document Type: Journal article

26/3/15 (Item 8 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
(c) 2001 CAB International. All rts. reserv.

00376224 CAB Accession Number: 760631697  
**A note on air-layering of *Pinus pseudostrobus*.**  
Chandra, J. P.  
Indian Forester vol. 101 (12): p.738-740  
Publication Year: 1975  
ISSN: 0019-4816 --  
Language: English  
Document Type: Journal article

File 9:Business & Industry(R) Jul/1994-2001/Dec 03  
(c) 2001 Resp. DB Svcs.  
File 16:Gale Group PROMT(R) 1990-2001/Dec 03  
(c) 2001 The Gale Group  
File 18:Gale Group F&S Index(R) 1988-2001/Nov 30  
(c) 2001 The Gale Group  
File 20:World Reporter 1997-2001/Dec 04  
(c) 2001 The Dialog Corporation  
File 148:Gale Group Trade & Industry DB 1976-2001/Dec 03  
(c)2001 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 285:BioBusiness(R) 1985-1998/Aug W1  
(c) 1998 BIOSIS  
File 481:DELPHES Eur Bus 95-2001/Nov W4  
(c) 2001 ACFCI & Chambre CommInd Paris  
File 583:Gale Group Globalbase(TM) 1986-2001/Dec 04  
(c) 2001 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2001/Dec 03  
(c) 2001 The Gale Group  
File 635:Business Dateline(R) 1985-2001/Dec 04  
(c) 2001 ProQuest Info&Learning  
File 636:Gale Group Newsletter DB(TM) 1987-2001/Dec 03  
(c) 2001 The Gale Group

Set	Items	Description
S1	8	ROOTONE
S2	10970	(MIX??? OR COMBIN? OR ADD??? OR JOIN? OR INCORPORAT?) (5N) (- SOIL? ? OR DIRT)
S3	292	DIP??? (5N) (STEM? ? OR CUTTING? OR CLIPPING?)
S4	4	ROOT()HORMONE?
S5	5039	(APPLY? OR APPLICATION?) (5N) (SOIL? ? OR DIRT)
S6	1	(S1 OR S4) AND (S2 OR S5)
S7	11	(S1 OR S4) NOT S3
S8	10	RD (unique items)
S9	9	S8 NOT S6
S10	12124	CUTTINGS
S11	7	(S1 OR S4) NOT S10
S12	6	RD (unique items)
S13	0	S12 NOT (S6 OR S8)

6/3,K/1 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

04795325 SUPPLIER NUMBER: 09327201 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Supplementary products offer opportunities.**  
Rogers, Adele I.  
Lawn & Garden Marketing, v29, n7, p26(2)  
August, 1990  
ISSN: 0091-4665 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1454 LINE COUNT: 00118

... allows the plant to take in only what it needs while holding in reserve water intake requirements for later use. This means watering less frequently.

**Mixed** in the **soil** , the polymer also acts as a nutrient retainer that releases nutrients on an as-needed basis. (Some brands are available with built-in fertilizer.) These...plant color and acidify soil; pruning paints and tree coats that protect trees and woody ornamentals; blossom boosters and rot preventers; rooting compounds, such as **RootTone** , for plant cuttings; leaf shines; soil test kits; de-thatching products; pest barrier coatings; tree implants; soil sterilizers; trace elements; vitamins; hormones; preservatives and compost...

9/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2001 Resp. DB Svcs. All rts. reserv.

02622314 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**22nd Annual TIMI Awards: Picture Perfect**  
(Custom Tape & Label receives Best of Show recognition at TIMI awards for  
printing the Kodak Advantix 1600 package; First Place awards go to 35  
other companies)  
Package Printing, v 46, n 10, p 37+  
October 1999  
DOCUMENT TYPE: Journal ISSN: 0163-9234 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 323

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:  
...was absolutely excellent," commented Lee, who along with his team of  
judges was also impressed with the marketing potential of such technologies  
as CCL's **Rootone** (Spinoformation) extended-text label, which offers up to  
75 percent more billboard carrying space than current similar type labels.

Commenting on the competition as a...

9/3,K/2 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2001 The Gale Group. All rts. reserv.

05518102 Supplier Number: 48362683 (USE FORMAT 7 FOR FULLTEXT)  
**Rhone-Poulenc and Partners Establish Strategic Alliance For GardenTech(R)**  
**SEVIN(R)**  
PR Newswire, p0317PHTU001  
March 17, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 569

... Inc., which will manufacture the insecticide in a variety of  
consumer friendly formulations and packaging.

The alliance will also include the addition of GardenTech(R) **Rootone**  
(R) Rhone-Poulenc's rooting hormone for consumer use.

SEVIN(R) is a major product in the consumer lawn and garden market and  
-- as millions...

9/3,K/3 (Item 1 from file: 20)  
DIALOG(R)File 20:World Reporter  
(c) 2001 The Dialog Corporation. All rts. reserv.

10474287 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Autumn colour from mixture of shrubs**  
CANBERRA TIMES , CT ed, p30  
April 09, 2000  
JOURNAL CODE: WCTS LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 773

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... mature and "'hard'".

Hardwood cuttings are usually taken in late autumn to mid winter from  
growth that was produced the previous spring or summer.

A **root hormone** powder is usually required to promote root development. Australia's first street-front gardening bookstore has recently opened in Sydney.

This is the new venture...

**9/3,K/4 (Item 1 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

11630624 SUPPLIER NUMBER: 58077768 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Tag and Label Winners Show Off Their Stuff.**

Hine, Claudia

Paper, Film & Foil Converter, 73, 11, NW4

Nov, 1999

ISSN: 0031-1138 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 2939 LINE COUNT: 00252

... CCL Label, Rosemont, IL, earned the Innovator Award that recognizes new technology and/or a significant breakthrough in product development. CCL was honored for a **Rootone** (Spinoformation) label for lawn and garden packaging that offers extra informational space, thereby avoiding the extra cost of inserts or boxes.

First place winners move...as a tree ornament. Press: Man-Roland 700 six-color, 40-in. sheet-fed. Plates: Fuji. Inks: Wikoff.

Innovator Multi-Process--Color Process/Prime--(36) **Rootone** (Spinoformation) converted by CCL Label, Rosemont, IL. Construction offers 75% more carrying space for information. Multiweb, dual-layered label is applied to product as one...

**9/3,K/5 (Item 2 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

06477419 SUPPLIER NUMBER: 13886608 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Cultivation and processing of litchi in Pakistan.**

Nazri, M.M.

Economic Review, v24, n2, p41(3)

Feb, 1993

ISSN: 0531-8955 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 1965 LINE COUNT: 00149

... also.

Four to six weeks are required in India for root development during the monsoon season. Treatment of ringed shoots with 50% aqueous solution of **Rootone** or 100 ppm of alpha-naphthalene acetic acid (alpha-NAA) in lanolin paste is reportedly successful. Treatment of ringed shoots with indolebutyric acid (IBA) is...

**9/3,K/6 (Item 1 from file: 285)**

DIALOG(R)File 285:BioBusiness(R)  
(c) 1998 BIOSIS. All rts. reserv.

00637998

**Root volume effects on nitrogen uptake and partitioning in peach trees.**

Ran Y; Habib R; Bar-Yosef B; Erez A

Inst. of Soils and Water, Agric. Res. Organization, Bet-Dagan, ISR.

Agronomy Journal Vol.86, No.3, p.530-534, 1994.

...ABSTRACT: satisfactory than in perennial organs, where initial conditions could be defined accurately. It is suggested that the physical

restriction of root growth reduced N uptake, **root hormone** synthesis rate, and N accumulation in the canopy. The trees have a N-concentration-stat mechanism, which maintains a constant N percentage in the tops...

9/3,K/7 (Item 2 from file: 285)  
DIALOG(R)File 285:BioBusiness(R)  
(c) 1998 BIOSIS. All rts. reserv.

00410753

**Establishment of sweet potato stem cuttings as influenced by size, depth of planting, water stress, hormones and herbicide residues for two genotypes.**

Holwerda H T; Ekanayake I J  
DEP. FIELD CROPS GRASSLAND SCI., WAGENINGEN AGRIC. UNIV., P.O. BOX 9101,  
NL-6700 HB, WAGENINGEN, NETHERLANDS.  
Scientia Horticulturae (Amsterdam) Vol.48, No.3-4, p.193-204, 1991.

...ABSTRACT: an important asset when early season weed competition is evident and when rapid ground cover is important. The advantages of dipping cuttings into a dissolved **root hormone** were cultivar dependent, but pre-rooted cuttings were of no benefit to either cultivar in terms of survival and growth. During establishment, drought significantly reduced...

9/3,K/8 (Item 3 from file: 285)  
DIALOG(R)File 285:BioBusiness(R)  
(c) 1998 BIOSIS. All rts. reserv.

00382709

**Propagation of sterile ornamental pepper by cuttings and in vitro shoot-tip culture.**

Sultanbawa F; Phatak S C  
DEP. HORTIC., UNIV. GA., COASTAL PLAIN EXPERIMENTAL STATION, TIFTON, GA 31793.  
Hortscience Vol.26, No.8, p.1078, 1991.

...ABSTRACT: vitro cultures. The most suitable treatment for rooting of cuttings involved the use of two-node cuttings, 2 to 4 mm in diameter, treated with **Rootone** and rooted in Promix inside a humidity chamber kept in 60% shade. With this treatment, 40% of the cuttings had rooted after 8 weeks. Two...

9/3,K/9 (Item 4 from file: 285)  
DIALOG(R)File 285:BioBusiness(R)  
(c) 1998 BIOSIS. All rts. reserv.

00117805

**TRANSFORMATION OF BRASSICA NAPUS WITH AGROBACTERIUM TUMEFACIENS BASED VECTORS.**

Fry J; Barnason A; Horsch R B  
BIOL. SCI., MONSANTO COMPANY, 700 CHESTERFIELD VILLAGE PARKWAY, ST. LOUIS, MO. 63198, USA.  
Plant Cell Reports Vol.6, No.5, p.321-325, 1987.

...ABSTRACT: cocultured for 2 days before transfer to kanamycin selection medium. Shoots regenerated directly from the explant in 3-6 weeks and were excised, dipped in **Rootone**, and rooted in soil. Transformation was confirmed by opine production, kanamycin resistance, and DNA blot hybridization in the primary transformants. Final proof of transformation was...